

## Message Text

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ORIGIN OFA-01

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FM SECSTATE WASHDC

TO AMEMBASSY NASSAU

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E.O. 11652: N/A

TAGS: OCLR, TPHY, TGEN, BF

SUBJECT: RESEARCH CRUISE OF USNS HAYES

REF: STATE 186007 (1974)

1. AS PART OF NAVY'S CONTINUING STUDY TO BETTER DEFINE ACOUSTIC PROPAGATION PHENOMENA REFERRED TO IN REFTTEL, THE NAVAL RESEARCH LAB (NRL) IS PLANNING AN EXPERIMENT TO PROVIDE DATA RELATING THE ENVIRONMENT AND ITS TEMPORAL AND SPATIAL FLUCTUATIONS TO THE SPATIAL AND TEMPORAL FLUCTUATIONS OBSERVED IN SEVERAL LOW FREQUENCY ACOUSTIC SIGNALS TRANSMITTED THROUGH VARYING MEDIUM.

2. THIS EXPERIMENT WILL CONSIST OF PLACING ENVIRONMENTAL SENSORS ALONG A 300 MILE TRACK ON THE HIGH SEAS EAST OF THE BAHAMAS. USNS HAYES, A PUBLIC VESSEL OF THE UNITED STATES OPERATED BY THE MILITARY SEALIFT COMMAND WILL ANCHOR AT 25 DEGREES 23.8 MINUTES N, 76 DEGREES 20.5 MINUTES W, AND WILL LOWER THREE ACOUSTIC SOURCES TO THE BOTTOM. THE POSITION OF HAYES IS IN INTERNATIONAL WATERS 3.2 NAUTICAL  
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MILES FROM JAMES POINT ON THE ISLAND OF ELEUTHERA. IN ORDER TO FIX THE POSITION OF HAYES IT WILL BE NECESSARY TO USE A THREE POINT MOOR. HAYES WILL BE ASSISTED BY R/V GULF QUEST II IN DEPLOYING THE LANDWARD ANCHOR WHICH WILL

BE PLACED WITHIN THE CLAIMED TERRITORIAL WATERS OF THE BAHAMAS 1.6 NAUTICAL MILES FROM JAMES POINT. GULF QUEST II IS A 78 FOOT CIVILIAN CREWED VESSEL OWNED BY THE INSTITUTE FOR ACOUSTIC RESEARCH, MIAMI, FLORIDA.

3. THE SCHEDULE FOR THE EXPERIMENT IS AS FOLLOWS:

30 MAR-2 APR-----MAYPORT, FLORIDA (LOADING)  
2-11 APR-----ENROUTE TO NASSAU, BAHAMAS (IN-  
-----STALLATION OF ENVIRONMENTAL SEN-  
-----SORS WHILE ENROUTE)  
11-13 APRIL-----NASSAU, BAHAMAS (TO BE REQUESTED  
-----SEPARATELY)  
13-28 APRIL-----ACOUSTIC TESTS WITH BOTTOM MOUNTED  
-----SOURCES  
29 APRIL-1 MAY-----300 NM TOW NORTH ALONG TRACK  
2-7 MAY-----RECOVERY OF ENVIRONMENTAL SENSORS  
-----AND ENROUTE TO PORT (PORT TO BE  
-----DETERMINED BUT WILL BE ON EAST  
-----COAST BETWEEN CHARLESTON AND  
-----MIAMI)

DURING THE PERIOD FROM 13-28 APRIL A 2 POUND IMPULSIVE SOUND SOURCE WILL BE DETONATED AT A DEPTH OF 200 FEET EVERY 12 HOURS. ON 28 APRIL USNS HAYES WILL RECOVER THE SOURCES, UP ANCHOR, RIG FOR TOWING, AND BEGIN THE TOW ALONG THE NORTHWARD TRACK. DURING THE TOW A TWO POUND IMPULSIVE SOUND SOURCE WILL BE DETONATED EVERY HOUR AT A DEPTH OF 200 FEET. AT THE CONCLUSION OF THE TOW, ABOUT 3 DAYS, THE HAYES WILL RECOVER THE ENVIRONMENTAL SENSORS AND PROCEED TO PORT.

4. REQUEST EMBASSY ADVISE GCOB OF EXPERIMENT AND SEEK PERMISSION OF GCOB FOR GULF QUEST II TO ENTER CLAIMED TERRITORIAL WATERS TO ASSIST IN PLACING ANCHOR AS DESCRIBED IN PARA 2 ABOVE. KISSINGER  
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NNN

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